

CLAIMS

(1) Utilization of lead shavings removed from lead bars by means of cutting machinery in abrasion mills for the production of lead oxide.

75 The process is extremely simple.

(2) Utilization of lead shavings removed from lead bars for the production of lead oxide, as claimed in claim (1), characterized by the use of shavings having a flat, helical shape.

This particular shape is advantageous for the control and yield of the oxidation process.

(3) Utilization of lead shavings removed from lead bars for the production of lead oxide, as
80 **claimed in the preceding claims, characterized by the use of shavings with a surface**
which has been stressed by the cut and subject to flaking.

The release of micro-flakes of material increases yield during the oxidation process, providing a greater surface for the reaction.

(4) Utilization of lead shavings removed from lead bars for the production of lead oxide, as
85 **claimed in the preceding claims, characterized by the use of shavings with a hardened**
surface, due to the effect of the cutting action.

The hardened parts favor abrasion, which constitutes the main principle of the functioning of these mills.